# **SKKE 600**



SEMIPACK<sup>®</sup> 4

**Rectifier Diode Modules** 

#### **SKKE 600**

V <sub>RSM</sub>	V <sub>RRM</sub>	I <sub>FRMS</sub> = 930 A (maximum value for continuous operation)		
V	V	I <sub>FAV</sub> = 600 A (sin. 180; T <sub>c</sub> = 100 °C)		
1200	1200	SKKE 600/12		
1600	1600	SKKE 600/16		
2000	2000	SKKE 600/20H4		
2200	2200	SKKE 600/22H4		
	•	·		
Symbol	Conditions		Values	Units

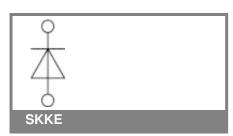
Symbol	Conditions	Values	Units
I <sub>FAV</sub>	sin. 180; T <sub>c</sub> = 100 °C	600	А
I <sub>FSM</sub>	T <sub>vi</sub> = 25 °C; 10 ms	22000	A
	T <sub>vi</sub> = 150 °C; 10 ms	18000	А
i²t	T <sub>vi</sub> = 25 °C; 8,3 10 ms	2420000	A²s
	T <sub>vj</sub> = 150 °C; 8,3 10 ms	1805000	A²s
V <sub>F</sub>	T <sub>vi</sub> = 25 °C; I <sub>F</sub> = 3000 A	max. 1,5	V
V <sub>(TO)</sub>	T <sub>vi</sub> = 150 °C	max. 0,75	V
r <sub>T</sub>	T <sub>vj</sub> = 150 °C	max. 0,25	mΩ
I <sub>RD</sub>	$T_{vj}$ = 150 °C; $V_{RD}$ = $V_{RRM}$	max. 15	mA
R <sub>th(j-c)</sub>	cont.; per diode = per module	0,07	K/W
0,	sin. 180; per diode = per module	0,075	K/W
R <sub>th(c-s)</sub>	per diode = per module	0,02	K/W
T <sub>vj</sub>		- 40 + 150	°C
T <sub>stg</sub>		- 40 + 130	°C
V <sub>isol</sub>	a. c. 50 Hz; r.m.s.; 1 s / 1 min.	3600 / 3000	V~
V <sub>isol</sub>	a. c. 50 Hz; r.m.s.; 1 s / 1 min. for SKKEH4	4800 / 4000	V~
Ms	to heatsink	5 ± 15%	Nm
Mt	to terminals	17 ± 15 %	Nm
a		5 * 9,81	m/s²
m	approx.	840	g
Case		A 42	

#### Features

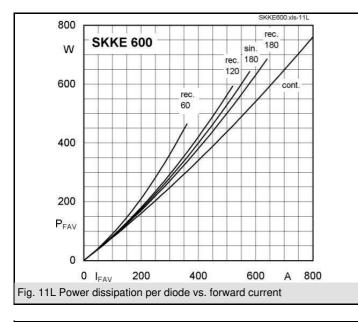
- Heat transfer through aluminium nitride ceramic isolated metal baseplate
- Precisious metal pressure contacts for high reliability
- UL recognized, file no. E 63 532

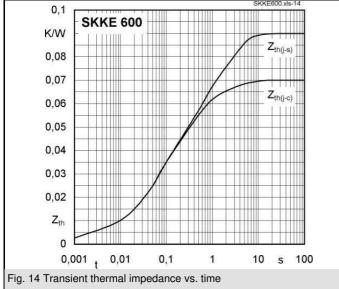
### **Typical Applications\***

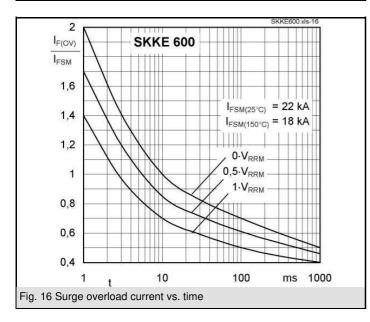
Rectifiers

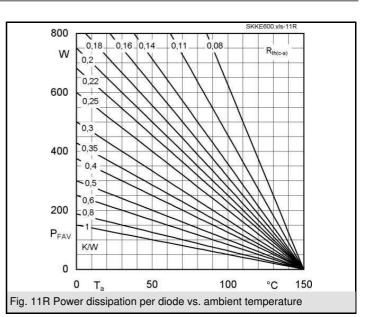


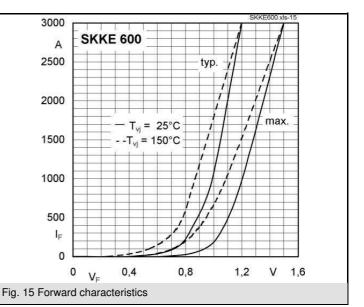
## **SKKE 600**



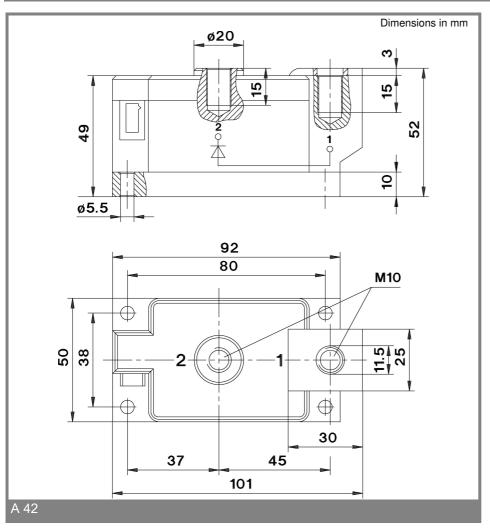








## **SKKE 600**



This is an electrostatic discharge sensitive device (ESDS), international standard IEC 60747-1, chapter IX.

#### **\*IMPORTANT INFORMATION AND WARNINGS**

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